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FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. APPLICATION NO. FILING DATE 10541-1918 9258 10/712,700 11/13/2003 Peter Heyl **EXAMINER** 7590 07/01/2004 Eric J. Sosenko, Esq. JONES, MELVIN BRINKS HOFER GILSON & LIONE ART UNIT PAPER NUMBER P.O. Box 10395

> 3744 DATE MAILED: 07/01/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

			111
	Application No.	Applicant(s)	
	10/712,700	HEYL, PETER	10
Office Action Summary	Examiner	Art Unit	
	Melvin Jones	3744	
The MAILING DATE of this communi Period for Reply	ication appears on the cover sheet w	ith the correspondence ad	ldress
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNI - Extensions of time may be available under the provisions after SIX (6) MONTHS from the mailing date of this community of the period for reply specified above is less than thirty (3). - If NO period for reply is specified above, the maximum states of the period for reply within the set or extended period for reply Any reply received by the Office later than three months a earned patent term adjustment. See 37 CFR 1.704(b).	CATION. of 37 CFR 1.136(a). In no event, however, may a nunication. 0) days, a reply within the statutory minimum of thi atutory period will apply and will expire SIX (6) MOI will, by statute, cause the application to become A	reply be timely filed rty (30) days will be considered timel NTHS from the mailing date of this co BANDONED (35 U.S.C. § 133).	y. ommunication.
Status			
1) Responsive to communication(s) file			
, — , —	2b)⊠ This action is non-final.		
3) Since this application is in condition			e merits is
closed in accordance with the practic	ce under <i>Ex part</i> e Q <i>uayl</i> e, 1935 C.I	D. 11, 453 O.G. 213.	
Disposition of Claims			
4)⊠ Claim(s) <u>1-10</u> is/are pending in the a	application.		
4a) Of the above claim(s) is/ai	re withdrawn from consideration.		
5) Claim(s) <u>9 and 10</u> is/are allowed.			
6)⊠ Claim(s) <u>1,7 and 8</u> is/are rejected.			
7)⊠ Claim(s) <u>2-6</u> is/are objected to.			
8) Claim(s) are subject to restric	ation and/or election requirement.		
Application Papers			
9)☐ The specification is objected to by the	e Examiner.		
10)⊠ The drawing(s) filed on <u>13 November</u>	r 2003 is/are: a) $□$ accepted or b) $□$	objected to by the Exam	niner.
Applicant may not request that any object			
Replacement drawing sheet(s) including			
11)☐ The oath or declaration is objected to	by the Examiner. Note the attache	d Office Action or form P1	ГО-152.
Priority under 35 U.S.C. § 119			
12)⊠ Acknowledgment is made of a claim	for foreign priority under 35 U.S.C.	§ 119(a)-(d) or (f).	
a)⊠ All b)□ Some * c)□ None of:			
1. Certified copies of the priority	documents have been received.		
	documents have been received in A		_
•	of the priority documents have beer	n received in this National	Stage
• •	nal Bureau (PCT Rule 17.2(a)).	t was a live of	
* See the attached detailed Office actio	n for a list of the certified copies not	receivea.	
Attachment(s)	□ .	0 (575.445)	
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (P		Summary (PTO-413) (s)/Mail Date	
3) Information Disclosure Statement(s) (PTO-1449 or Paper No(s)/Mail Date <u>06262004</u> .		Informal Patent Application (PTC 	D-152)

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DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1,7 & 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hara et al (US Patent No. 5,355,689) in view lkeda et al (US Patent No. 5,598,887). Hara et al discloses a heat pump type air conditioner for an automotive vehicle for heat & cooling and comprising: a heat radiating inner heat exchanger (33) disposed in a duct (39) and serves as the main body of the air conditioner, a blower fan (37), a compressor (31), a three way valve (32), an outer heat exchanger (38) and connected to the inlet side of a heat absorbing inner heat exchanger (35) and an auxiliary heater (76) is disposed at an air inlet side of said heat radiating inner heat exchanger (33). In duct (39) an inner inlet (40) leads air into the passenger compartment. Furthermore, discloses an air mixing door (46) is disposed upstream of the heat-radiating inner exchanger (33) in the duct and an air mixing chamber (47) consist of a ventilating system. Hara et al, however lacks to mention a dehumidification stage of the heat pump system. Ikeda teaches an air conditioning system for a vehicle for cooling/heating and dehumidification. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the heat pump system disclosed by Hara with a

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dehumidification stage as taught by Ikeda for reheating air stream and removing moisture from air stream.

Allowable Subject Matter

Claims 9 & 10 are allowed over the prior art of record.

Claims 2-6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melvin Jones whose telephone number is (703) 305-0251. The examiner can normally be reached on Monday - Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Denise Esquivel can be reached on (703) 308-2597. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

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mj

MELVIN JONES
PRIMARY EXAMINER